Elizabeth Jones

(978)289-0147 | Boston, MA | jones.eliza@northeastern.edu | GitHub: joneslizzie
www.linkedin.com/in/elizabeth-jones-2o26/ | Availability: January 2025 – June 2025

Education

Northeastern University, Boston, MA   December 2025
Khoury College of Computer Sciences
Candidate for a Bachelor of Science in Computer Science, Minor in Mathematics
Relevant Coursework: Object Oriented Design, Discrete Structures, Computer Systems, Algorithms & Data, Foundations of Cybersecurity, Fundamentals of Software Engineering, Web Development
Honors: GPA 3.37/4.00, Deans Scholarship
Activities: Phi Sigma Rho (VP of Finance), Boston Cares

University of Sydney, Sydney, Australia   August 2023 – November 2023
Semester Abroad
Relevant Coursework: Graphics & Multimedia, Human Computer Interaction

Computer Knowledge

Languages: Java | Python | JavaScript | HTML | C++ | C | CSS | Junit4 | Typescript | Jest Testing
Operating Systems: Windows | MacOS | Ubuntu Linux | Magma
Software: Eclipse | Visual Studio Code | IntelliJ | Processing 4

Related Experience

Solaria Labs at Liberty Mutual, Boston, MA   January 2023 – June 2023
Full Stack Developing Co-op
- Developed, tested, and code-reviewed projects to improve upon the LibertyPlus application.
- Worked on page layouts, and created buttons, and other interactive frontend components using ReactJS, JavaScript, SCSS, and Jest testing.
- Created new data types, tables, seeds, and migration files for the application's backend. Mutations and queries were used through PostgreSQL, Strapi, Node.js, and GraphQL.
- Utilized and applied agile philosophy in management by actively attending and participating in various meetings, ultimately, learning the ins and outs of the team.

Code Wiz, Reading, MA   May 2022 – August 2022
Coding Coach
- Instructed children from the ages of 7-15 various aspects of coding.
- Prepared lessons and taught different courses including Intro to Java, Python Game Design & Scratch.
- Led a class of 2-15 students where I taught the basics of coding, if statements, loops, etc. and higher-level concepts including nested loops and arrays and provided constructive criticism to improve their skills.

Projects

Digitize Lab Notebooks |Python | Detectron2| July – August 2024
- An AI analysis research project through Drexel University and funded by ID4, with the goal of digitizing and structuring handwritten notebook data containing synthesized metal-organic framework experiments.
- Applied information extraction methods to make analog lab notebook data computationally ready and aid in future determination and comparison of patterns in successful and unsuccessful experiments.
- Executed basic machine learning strategies in Detectron2 to segment lab pages into three main sections – text, table, and reaction – and improve accessibility to past research for lab scientists.

Cooking Game |Python| November 2023
- Extracted frames from a video of a monkey, recorded the movements of the monkey by five centroid points to then create a game. Used masks, erosion, and dilatation to get the centroid points of each frame.
- Placed my own chef character on top of the centroid points and created an interactive game with numerous events, levels, and outcomes.